



BANNER & WITCOFF, LTD.
INTELLECTUAL PROPERTY LAW

10 SOUTH WACKER DRIVE, SUITE 3000
CHICAGO, ILLINOIS 60606

TEL: 312.463.5000
FAX: 312.463.5001
www.bannerwitcoff.com

FACSIMILE TRANSMITTAL SHEET

TO: MAIL STOP AMENDMENT	FROM: Kenneth F. Smolik	RECEIVED CENTRAL FAX CENTER
COMPANY: USPTO	DATE: March 7, 2005	MAR 07 2005
FAX NO.: (703) 872-9306	TOTAL NO. OF PAGES: (including cover sheet) 7	
YOUR REFERENCE NO.: 10/786,697	OUR REFERENCE (C/M) NO.: 010886.00833	
RE: In re: Appln. Matthew T. Abraham Appln. No. 10/786,697 Filed: February 25, 2004 For: Multi-Channel Digital Feedback Reducer System		

OFFICIAL FAX

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NAME: Jasmin Santoyo	PHONE: 312-463-5560
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COMMENTS:

Information Disclosure Statement

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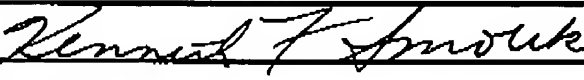
Approved for use through 07/31/2006. JMB 0851-0031

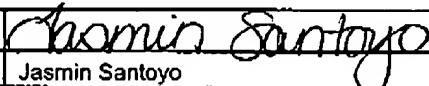
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/786,697	
	Filing Date	02/25/2004	
	First Named Inventor	Matthew T. Abraham	
	Art Unit	2644	
	Examiner Name	Sellers, Daniel R.	
Total Number of Pages in This Submission	7	Attorney Docket Number	010886.00633

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply, Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): PTO/SB08A: Copy of International Search Report, Fax Cover Sheet
Remarks The Commissioner is authorized to debit or credit any overpayment or deficiency to Deposit Account No. 19-0733.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm	Banner & Witcoff, LTD.		
Signature			
Printed Name	Kenneth F. Smolik		
Date	03/07/2005	Reg. No.	44,344

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Signature			
Typed or printed name	Jasmin Santoyo	Date	03/07/2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Matthew T. Abraham

Serial No.: 10/786,697

Filed: February 25, 2004

For: Multi-Channel Digital Feedback Reducer
System

Atty. Docket No.: 010886.0 0633

Group Art Unit: 2644

Examiner: Sellers, Daniel R.

Confirmation No.: 3661

INFORMATION DISCLOSURE STATEMENTRECEIVED
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MAR 07 2005

Commissioner for Patents
Mail Stop Amendment
P.O. Box 1450
Alexandria, VA 22313-1450

Pursuant to 37 C.F.R. §1.97-1.98, Applicants wish to make the following references listed on the enclosed Form PTO/SB/08A of record in the above-identified application. This Information Disclosure Statement is in compliance with the continuing duty of candor as set forth in 37 C.F.R. §1.56. The references were cited in a foreign communication dated February 14, 2005 in corresponding International application No. PCT/US04/06124. A courtesy copy of the foreign communication is enclosed herein.

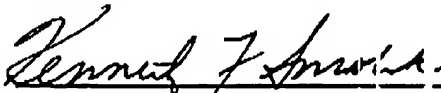
Pursuant to 37 C.F.R. §1.97(e), each item of information contained in the information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement. Accordingly, applicant believes there is no fee due in connection with this filing, however; if a fee is due the Commissioner is authorized to debit our Deposit Account No. 19-0733.

Respectfully submitted,

BANNER & WITCOFF, LTD.

Dated: March 7, 2005

By:


Kenneth F. Smolik (Reg. No. 44, 44)Banner & Witcoff, Ltd.
10 S. Wacker Drive
Chicago, IL 60606
(312) 463-5000

PVE. / JSS / INT

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To:
KENNETH F. SMOLIK
BANNER & WITCOFF, LTD.
10 SOUTH WACKER DRIVE
SUITE 3000
CHICAGO, IL 60606-7407

PCT

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT AND
THE WRITTEN OPINION OF THE INTERNATIONAL
SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing (day/month/year)	14 FEB 2005
Applicant's or agent's file reference 010886.00636	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US04/06124	International filing date (day/month/year) 01 March 2004 (01.03.2004)
Applicant SHURE INCORPORATED	

1. ☒ The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.
- Filing of amendments and statement under Article 19:
The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):
- When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.
- Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes
1211 Geneva 20, Switzerland, Facsimile No.: +41 22 740 14 35
- For more detailed instructions, see the notes on the accompanying sheet.
2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.
3. ☐ With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that
- ☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.
- ☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.
4. Reminders
- Shortly after the expiration of 19 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.
- The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.
- Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.
- In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.
- See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
Facsimile No. (703) 305-3230

Authorized officer

Huyen Le

Telephone No. 703-305-3900

Form PCT/ISA/220 (January 2004)

(See notes on reverse, if any sheet)

010886.00636
DOCKETED
ISR

FEB 25 2005

Abstract due 3/14/05
Pat 19 due 4/14/05

RECEIVED

FEB 7 2005

BANNER & WITCOFF
DOCKETING DEPT.

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 010886.00636	FOR FURTHER ACTION <small>see Form PCT/ISA/220 as well as, where applicable, item 5 below.</small>	
International application No. PCT/USD4/06124	International filing date (day/month/year) 01 March 2004 (01.03.2004)	(Earliest) Priority Date (day/month/year) 10 March 2003 (10.03.2003)
Applicant SHURE INCORPORATED		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 2 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the Report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.
2. ☐ Certain claims were found unsearchable (See Box No. II)
3. ☐ Unity of invention is lacking (See Box No. III)
4. With regard to the title,
- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. I



as suggested by the applicant.



as selected by this Authority, because the applicant failed to suggest a figure.



as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

Form PCT/ISA/210 (first sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/06124

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H03B 1/00, 1/04; H03F 1/34, 1/38; H03G 3/00, 5/00, 11/04; H03K 5/00; H04B 1/10, 3/04, 15/00; H04L 12/00
 US CL : 327/553, 556, 592; 330/294; 333/18; 381/83, 93, 94.2, 103, 108

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 327/553, 556, 592; 330/294; 333/18; 381/83, 93, 94.2, 103, 108; 327/552; 330/109, 294; 381/57, 318

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,091,236 (CHEN) 23 May 1978 (23.05.1978), see entire document	1- 5
Y	US 4,177,356 (JAEGER et al.) 04 December 1979 (04.12.1979), column 9, lines 53-58	12 25
X	US 5,506,910 A (MILLER et al.) 9 April 1996 (09.04.1996), column 4, lines 32-40,	1- 1
Y	column 5, lines 63-67, column 6, lines 51-61, and column 7, lines 9-24, 33-36, 42-47, and 52-57	12 25

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

Special categories of cited documents:	
* "A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" documents referring to an oral disclosure, use, exhibition or other means	"Z" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

12 January 2005 (12.01.2005)

Date of mailing of the international search report

14 FEB 2005

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 Facsimile No. (703) 305-3230

Authorized officer

Huyen Lo

Telephone No. 703-305-3900

Form PCT/ISA/210 (second sheet) (January 2004)